

Beam Power Tube

Matrix-type Unipotential Cathode

Liquid Cooled 410 Watts PEP Output
 UHF Grid-Drive Operation at 30 MHz
 300 Watts UHF TV Output at 890 MHz
 Distributed Amplifier Service to 500 MHz

ELECTRICAL

Heater, Unipotential Matrix Type:

Voltage (ac or dc)	6.3	V
Current at 6.3 volts	3.5	A
Minimum heating time	60	s
Mu-Factor, (grid No.2 to grid No.1).	12	

MECHANICAL

Operating Position	Any
Weight (Approx.)	8 oz (0.23 kg)

THERMAL

Terminal Temperature	250 max. °C
Cathode-Heater Flange	125 max. °C
Plate Seal Temperature	250 max. °C
See <i>Dimensional Outline</i> for Temperature Measurement Points	

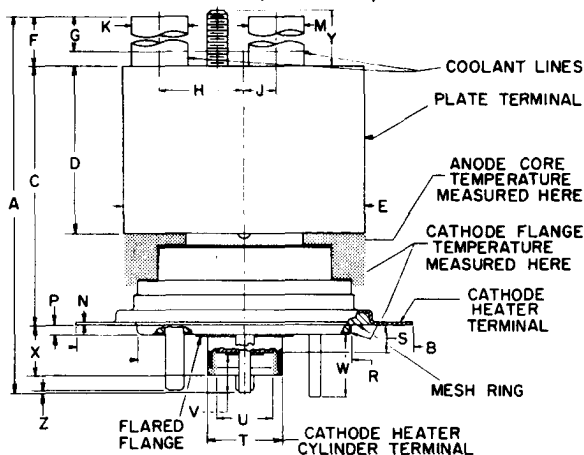
MAXIMUM CCS RATINGS, Absolute-Maximum Values:

DC Plate Voltage	2200	V
DC Grid No.2 Voltage	400	V
DC Grid No.1 Voltage	-100	V
DC Plate Current (Class A Service)	600	mA
Plate Dissipation	1000	W

- ^a Keep all stippled regions clear. Do not allow contacts or circuit components to intrude upon these regions.

Detailed performance and application information is available through your RCA Sales Office Distributor, or by writing to RCA Commercial Engineering, Harrison, NJ 07029.

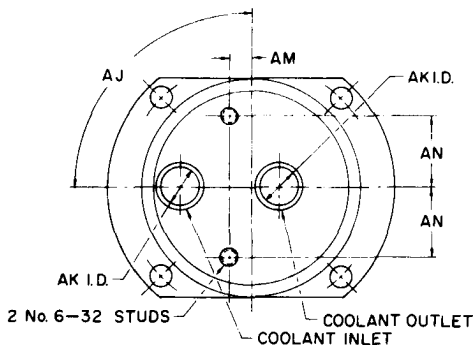
DIMENSIONAL OUTLINE (Front View)



SEE FOOTNOTE (a)

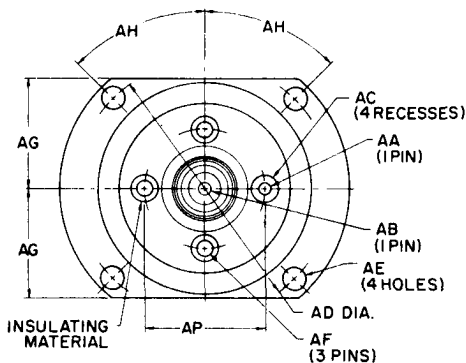
92LM-2512V

DIMENSIONAL OUTLINE (Top View)



92LS-2517V

DIMENSIONAL OUTLINE (Bottom View)



92LS-2518V

DIMENSION	INCHES	MILLIMETERS
A	3.330 Max.	84.6 Max.
B Dia.	2.262 Max.	57.45 Max.
C	1.745 $\pm$.025	44.32 $\pm$.64
D	1.130 $\pm$.010	28.70 $\pm$.25
E Dia.	1.625 $\pm$.015	4.128 $\pm$.38
F	0.437 $\pm$.010	1.11 $\pm$.25
G	0.875 Min.	22.23 Min.
H	0.560 $\pm$.020	14.22 $\pm$.51
J	0.220 $\pm$.020	5.59 $\pm$.51
K Dia.	0.375 Nom.	9.53 Nom.
M Dia.	0.375 Nom.	9.53 Nom.
N	0.022 $\pm$.002	0.56 $\pm$.05
P	0.058 $\pm$.007	1.47 $\pm$.18
R Dia.	1.425 $\pm$.010	36.20 $\pm$.25
S	0.200 Max.	5.08 Max.
T Dia.	0.500 $\pm$.010	12.70 $\pm$.25
U Dia.	0.400 Min.	10.16 Min.
V	0.250 Min.	6.35 Min.

DIMENSION	INCHES	MILLIMETERS
W	0.425 Max.	10.80 Max.
X	0.337 $\begin{smallmatrix} +.018 \\ -.017 \end{smallmatrix}$	8.56 $\begin{smallmatrix} +.46 \\ -.43 \end{smallmatrix}$
Y	0.380 $\pm .020$	9.65 $\pm .51$
Z	0.060 Max.	1.12 Max.
AA Dia.	0.081 $\pm .002$	2.06 $\pm .05$
AB Dia.	0.081 $\pm .002$	2.06 $\pm .05$
AC Dia.	0.245 Min.	6.22 Min.
AD Dia.	2.000 $\pm .010$	50.8 $\pm .25$
AE Dia.	0.175 $\pm .005$	4.45 $\pm .13$
AF Dia.	0.126 $\pm .002$	3.20 $\pm .05$
AG	0.868 $\begin{smallmatrix} +.017 \\ -.018 \end{smallmatrix}$	22.05 $\begin{smallmatrix} +.43 \\ -.46 \end{smallmatrix}$
AH	45° $\pm 5'$	-
AJ	90° $\pm 3'$	-
AK	0.378 $\pm .003$	9.60 $\pm .08$
AM	0.171 $\pm .010$	4.34 $\pm .25$
AN	0.562 $\pm .010$	14.27 $\pm .25$
AP	0.950 $\pm .011$	24.13 $\pm .28$